

**I CLAIM:**

1. A hybrid piston engine-pulsed detonation engine structure for obtaining shaft power from a pulsed detonation engine, comprising:
  - a pulsed detonation engine;
  - a piston engine operatively connected to said pulsed detonation engine, said piston engine having one or more cylinders; and
  - a detonation tube interconnecting each said cylinder with said pulsed detonation engine, each said tube comprising means through which each said cylinder of said piston engine communicates with said pulsed detonation engine.
2. The hybrid engine structure of claim 1 wherein each said detonation tube is disposed perpendicular to the respective cylinder to which it is connected.
3. The hybrid engine of claim 2 wherein said piston engine comprises at least four cylinders.